HIGHWAY CROSSING SIGNAL CANTILEVERS

MODEL CW

WABCO'S walkout Cantilevers provide you with the following outstanding features:

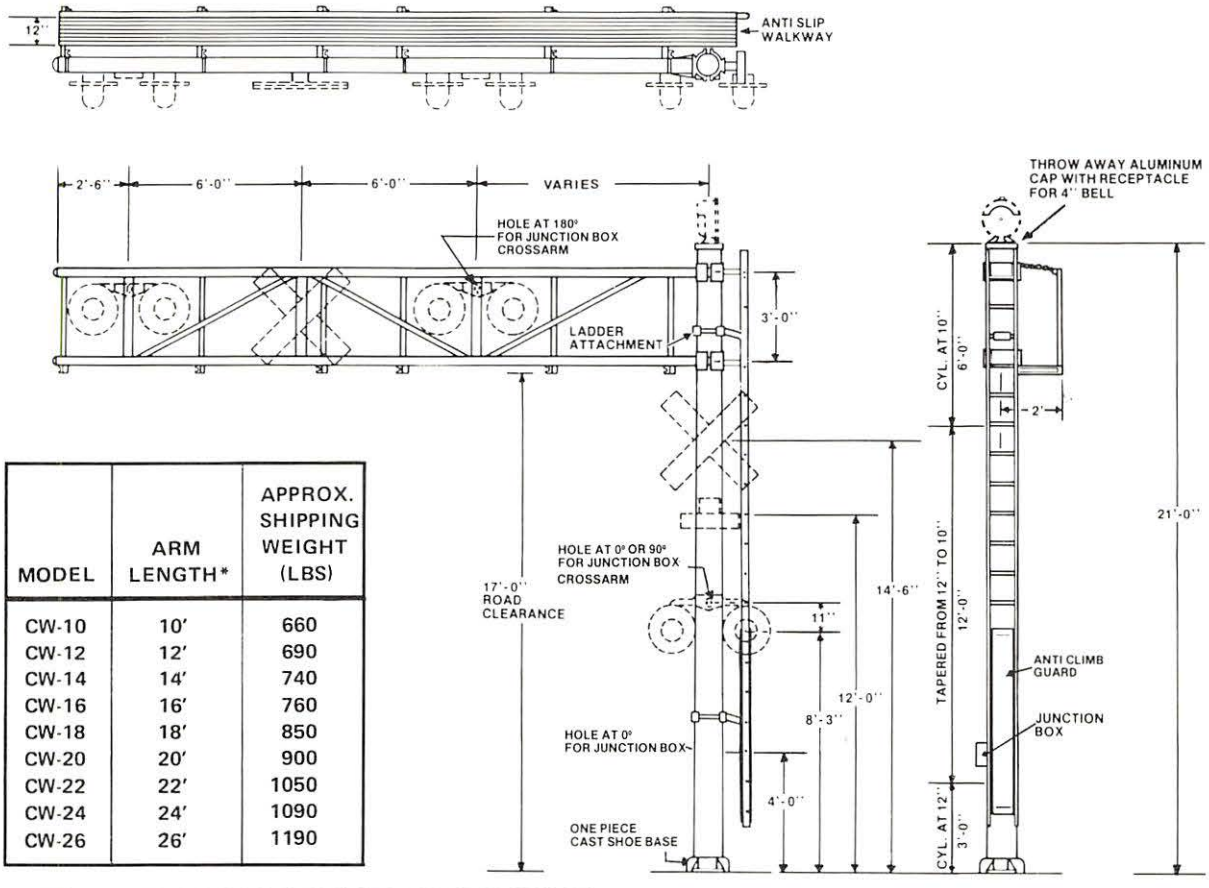
- LONGER WALKWAY
- ALL ALUMINUM CONSTRUCTION-CORROSION RESISTANT
- HEAVY DUTY LIGHTWEIGHT ASSEMBLIES
- VERSATILE
- NO MAINTENANCE-YEARS OF SERVICE
- TAPERED MAST
- STAINLESS STEEL HARDWARE
- ONE PIECE CAST ANCHOR BASE
- ADDED SAFETY FEATURES

WABCO

An **American-Standard** Company

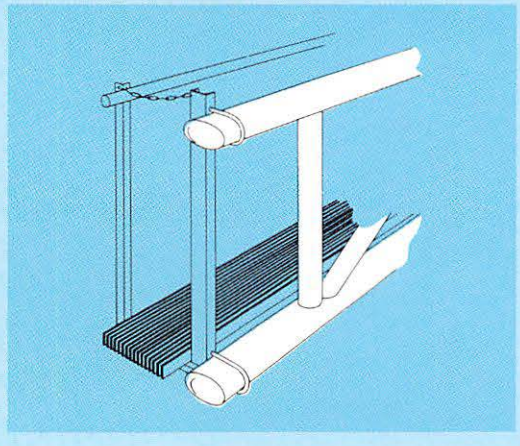
UNION SWITCH & SIGNAL DIVISION
WESTINGHOUSE AIR BRAKE COMPANY
Swissvale, PA 15218

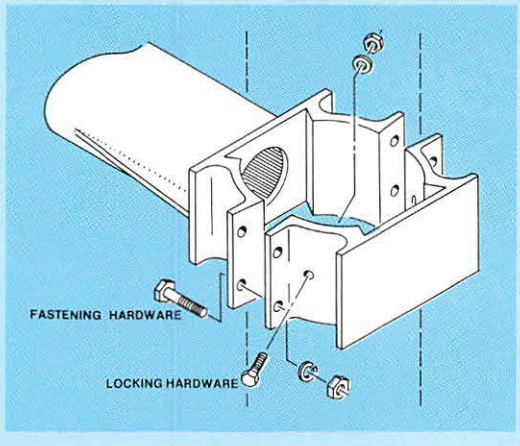
SINGLE MAST CW CANTILEVERS



MODEL	ARM LENGTH*	APPROX. SHIPPING WEIGHT (LBS)
CW-10	10'	660
CW-12	12'	690
CW-14	14'	740
CW-16	16'	760
CW-18	18'	850
CW-20	20'	900
CW-22	22'	1050
CW-24	24'	1090
CW-26	26'	1190

* ARM LENGTH IS DETERMINED FROM CENTER LINE OF MAST TO CENTER LINE OF LAST VERTICAL UPRIGHT WHERE SIGNAL ASSEMBLY CROSSARM IS MOUNTED. ADDITIONAL 2-1/2 FEET IS PROVIDED ON ALL UNITS FOR MAINTAINER SAFETY AND MAINTENANCE.

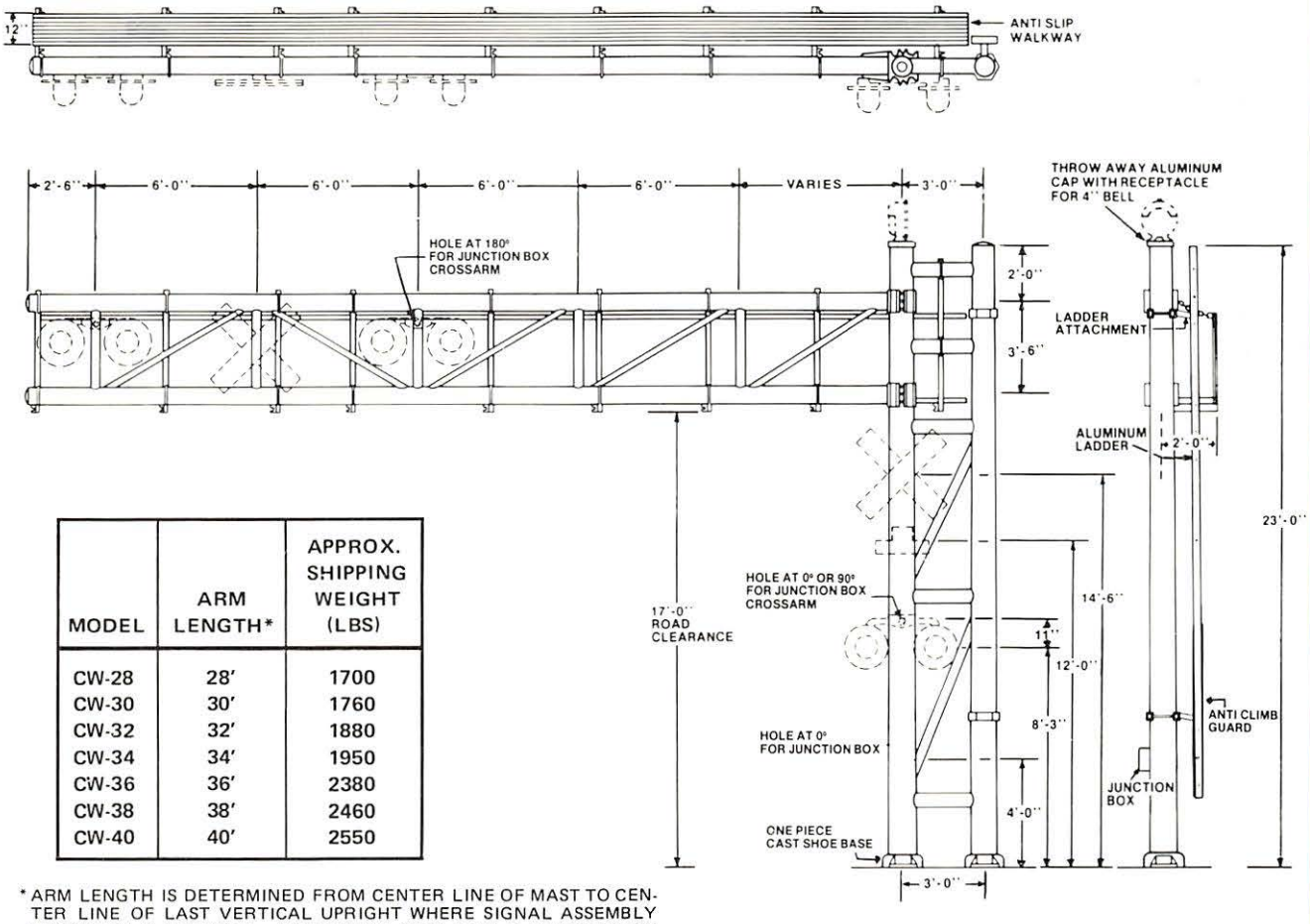




ELLIPTICAL TUBING — The elliptical horizontal arm members used on the single mast cantilevers offers less wind resistance than conventional design and still maintains the required strength. These elliptical arm members, along with the tapered masts, besides being very functional provides an attractive silhouette.

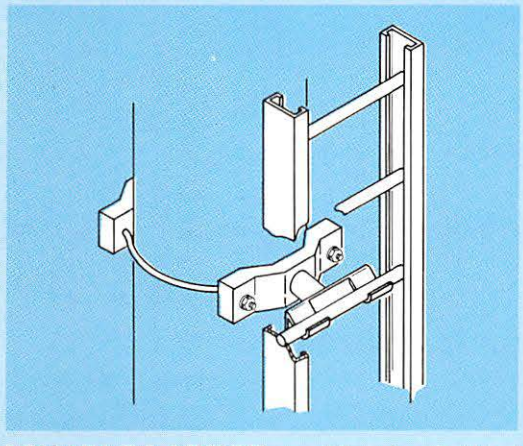
CANTILEVER ARM CLAMPS — To simplify installation the cantilever arm is fastened to the mast by extruded clamps using stainless steel hardware. To prevent twisting, the cantilever arm is locked in position by stainless steel bolts, which pass through the upper clamp and mast, and nuts. The bolts and nuts are easily accessible from the top of the mast by removing the aluminum cap.

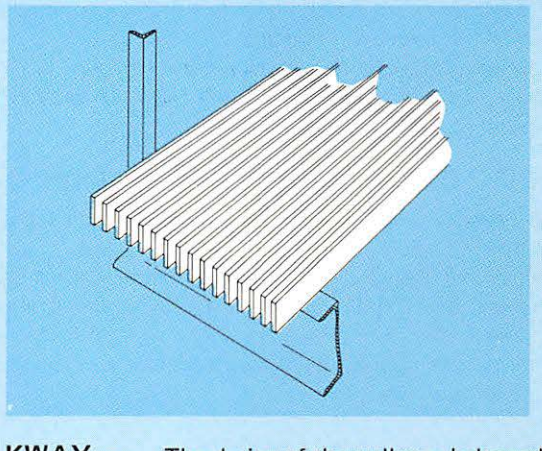
DOUBLE MAST CW CANTILEVERS



MODEL	ARM LENGTH*	APPROX. SHIPPING WEIGHT (LBS)
CW-28	28′	1700
CW-30	30′	1760
CW-32	32′	1880
CW-34	34′	1950
CW-36	36′	2380
CW-38	38′	2460
CW-40	40′	2550

*ARM LENGTH IS DETERMINED FROM CENTER LINE OF MAST TO CENTER LINE OF LAST VERTICAL UPRIGHT WHERE SIGNAL ASSEMBLY CROSSARM IS MOUNTED. ADDITIONAL 2-1/2 FEET IS PROVIDED ON ALL UNITS FOR MAINTAINER SAFETY AND MAINTENANCE.





DETACHABLE LADDER — The detachable ladder can quickly and easily be removed and reinstalled. Since the ladder is not permanently welded to the mast, it can be added at any time and in the event of damage to the ladder, the ladder is easily replaceable. A locking device is provided to prevent unauthorized removal of the ladder. The design of the ladder supports also allows for repositioning the ladder to avoid interfering with signals, etc. A ladder guard is provided to prevent unauthorized access.

WALKWAY — The design of the walkway helps reduce snow and ice buildup; snow and ice can fall through easier than on conventional designs. The design of the extrusions used in the walkway also provides an anti-slip surface. This along with the hand rail and safety chain provides added safety for the maintainer.

In addition, the walkway is extended (2-1/2 feet) beyond the last vertical strut for easier access and increased safety while maintaining the outer signal units.

WABCO MODEL CW ALUMINUM WALKOUT CANTILEVERS

DESIGN CRITERIA

★ DESIGNED TO LATEST AASHTO SPECIFICATION (1975)

- WIND LOAD – 100 MPH PLUS 30% GUST FACTOR
- LIVE LOAD – 500 LBS. APPLIED AT END OF ARM

★ MEETS AAR REQUIREMENTS.

FEATURES & BENEFITS

★ ALL ALUMINUM CONSTRUCTION

- Utilizes extruded alloys 6061-T6, 6005-T5 and casting alloy AA356.0-T6
- High strength to weight ratio

★ CORROSION RESISTANT

- Excellent resistance to road salts
- Ideal for application in marine and industrial environments

★ LONG LIFE

- No maintenance required
- No rusting
- All stainless steel assembly hardware

★ LIGHTWEIGHT

- One-third the weight of comparable steel
- Permits easy assembly and installation

★ SAFETY

- Ladder and walkway permit easy access to signals
- Ladder has removable anti-climb guard to restrict unauthorized access
- Crossarm junction box faces walkway for easier access – – no additional work platforms required
- Walkway has anti-slip surface
- Walkway design reduces snow and ice buildup
- Longer walkway (additional 2-1/2 feet) for additional safety

★ RUGGED DESIGN AND CONSTRUCTION

- All Metal Inert Gas (MIG) welding to latest ASME Boiler Code Section IX
- Elliptically shaped horizontal arm members (on single mast units) and tapered mast provide lower wind resistance
- Arm secured to mast by extruded clamps and stainless steel hardware

★ APPLICATION VERSATILITY

- Available in lengths of 10′ to 40′ in two foot increments
- Standard foundation bolt spacing is 12-3/4″ x 12-3/4″ (19″ x 19″ spacing available)
- External junction box on mast provides easy access for wiring
- Ladder mounting is movable to avoid interference with light units
- Ladder is removable

MATERIAL SPECIFICATIONS

- MAST – 6005-T5 aluminum alloy, shaft tapered from 12″ to 10″ 0.250″ or greater wall thickness
- BASE – AA356.0-T6 aluminum alloy one-piece casting
- ARMS – 6061-T6 aluminum alloy (diameter dependent on arm length) single mast arms elliptically shaped
- WALKWAY SUPPORTS – aluminum channel 6061-T6
- WALKWAY – aluminum extruded grating – 12″ wide with anti-slip surface
- HANDRAIL – 6061-T6 aluminum alloy
- CLAMPS – 6061-T6 aluminum alloy
- LADDER – 6063-T5 aluminum alloy, 12″ wide
- FASTENING HARDWARE – stainless steel

Complete your installation with time proven WABCO products. We have a complete line of grade crossing warning equipment, and if you desire we can provide a complete turnkey installation, including surface material. For further information request Bulletin 293 and Catalog RSE-10, or contact your nearest office.

EASTERN REGION OFFICES

PITTSBURGH	1789 Braddock Ave. Pittsburgh, Pa. 15218	412, 273-4000
PHILADELPHIA	2 Penn Center Plaza Room 1630 Philadelphia, Pa. 19102	215, 568-8032
NEW YORK	40 West 40th Street Room 1105 New York, N.Y. 10018	212, 484-5438
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WESTERN REGION OFFICES

CHICAGO	827A Railway Exchange Bldg. 80 East Jackson Blvd. Chicago, Ill. 60604	312, 427-0800
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SAN FRANCISCO	Steuart Street Tower Suite 2300 One Market Plaza San Francisco, Calif. 94105	415, 777-0426

UNISWITCH DIVISION

MONTREAL OFFICE	1155 Dorchester Blvd. West, Suite 1003 Montreal P.Q., Canada H3B 2J2	514, 866-3677

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